



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,593	02/18/2004	James A. Lamb	200304393-6 (2162-18603)	2694
22879 7590 07/31/2007 HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			EXAMINER LY, NGHI H	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 07/31/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/781,593	Applicant(s) LAMB ET AL.	
	Examiner Nghi H. Ly	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) 1-3 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 4-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-3 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>02/18/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election of Group II in the reply filed on 04/09/07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 4-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Scott (US 6,078,805).

Regarding claims 4 and 12, Scott teaches a mobile communications provision method in a mobile communications system having at least two wireless networks with different mobile switching center ("MSC") communication protocols (see Abstract and column 9, lines 20-43), the MSCs in each wireless network being coupled to a universal location service register (ULSR) having a database of information about all subscribers registered in one or more of the wireless networks (see column 9, lines 43-62 and

Art Unit: 2617

column 29, lines 50-62), wherein the method comprises: tracking for each registered subscriber in the database at least one MSC where that registered subscriber is registered ("a serving MSC") (see column 9, lines 43-62 and column 29, lines 50-62), receiving a routing number request associated with a registered subscriber (see column 23, lines 45-62), and providing a routing number in response to the routing number request (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 5, Scott teaches determining a serving MSC for the registered subscriber associated with the routing number request (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), sending a routing number request to the serving MSC (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), and receiving a routing number from the serving MSC (see column 9, lines 43-62, column 29, lines 50-62, and see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 6, Scott teaches selecting a serving MSC from a plurality of serving MSCs where the registered subscriber is simultaneously registered (see column 9, lines 43-62, column 29, lines 50-62).

Regarding claim 7, Scott teaches determining a preferred serving MSC from a user profile associated with the registered subscriber (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 8, Scott teaches translating the routing number request into a MSC communications protocol associated with the serving MSC (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 9, Scott teaches a mobile communications provision method in a mobile communications system having at least two wireless networks with different mobile switching center ("MSC") communication protocols (see Abstract and column 9, lines 20-43), the MSCs in each wireless network being coupled to a universal location service register (ULSR) having a database of information about all subscribers registered in one or more of the wireless networks (see column 9, lines 43-62 and column 29, lines 50-62), wherein the method comprises: receiving from a MSC a registration request associated with a subscriber (see column 9, lines 43-62 and column 29, lines 50-62), retrieving a user profile for the subscriber (see column 9, lines 43-62 and column 29, lines 50-62), refusing the registration request if the user profile indicates that the subscriber is not authorized to register with the MSC (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39), and sending the user profile to the MSC if the user profile indicates that the subscriber is authorized to register with the MSC (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39).

Regarding claim 10, Scott teaches if the user profile indicates that the subscriber is authorized to register with the MSC (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39), updating the database to indicate that the subscriber is registered with the MSC (see column 4, lines

Art Unit: 2617

37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39).

Regarding claim 11, Scott teaches determining whether the subscriber can be concurrently registered in multiple networks; and issuing a registration cancellation to any other MSCs where the subscriber is registered if the subscriber cannot be concurrently registered in multiple networks (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39).

Regarding claim 13, Scott teaches the ULSR is configured to track for each said subscriber at least one MSC where that subscriber is registered ("a serving MSC") (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 14, Scott teaches the ULSR is further configured to: receive a routing number request associated with a subscriber; determine a serving MSC for the subscriber associated with the routing number request (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), send a routing number request to the serving MSC; receive a routing number from the serving MSC (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62), and provide the routing number in response to the original routing number request (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 15, Scott teaches as part of determining a serving MSC (see Abstract and column 9, lines 20-43), the ULSR is configured to select a serving MSC

from a plurality of serving MSCs where the registered subscriber is concurrently registered (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 16, Scott teaches the ULSR is further configured to translate the routing number request between different MSC communication protocols (see column 3, line 60 to column 4, line 6, column 22, lines 58-64 and column 23, lines 45-62).

Regarding claim 17, Scott teaches the ULSR is configured to: receive from a MSC a registration request associated with a subscriber (see column 9, lines 43-62 and column 29, lines 50-62), retrieve a user profile for the subscriber (see column 9, lines 43-62 and column 29, lines 50-62), refuse the registration request if the user profile indicates that the subscriber is not authorized to register with the requesting MSC (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39), and send the user profile to the requesting MSC if the user profile indicates that the subscriber is authorized to register with the requesting MSC (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39).

Regarding claim 18, Scott teaches the ULSR is further configured to update the database to indicate that the subscriber is registered with the requesting MSC (see column 9, lines 43-62 and column 29, lines 50-62).

Regarding claim 19, Scott teaches the ULSR is further configured to: determine whether the subscriber can be concurrently registered in multiple networks (see column 9, lines 43-62 and column 29, lines 50-62), and issue a registration cancellation to any MSCs (other than the requesting MSC) where the

subscriber is registered if the subscriber cannot be concurrently registered in multiple networks (see column 4, lines 37-67, column 5, lines 9-15, column 9, lines 21-26, column 12, lines 35-48 and column 14, lines 20-39).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghi H. Ly whose telephone number is (571) 272-7911. The examiner can normally be reached on 9:30am-8:00pm Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on (571) 272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nghi H. Ly

